



JULIA KARNYSH

INNOVATION MANAGER
LONGEVITY BIOTECH/ FEMALE HEALTH/
ART & SCIENCE



CONTACT

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- 6353 Weggis, Switzerland
- Residence Permit: B (work permit) in Switzerland.

SKILLS

- Project, events and people management
- Scientific event planning
- External collaboration and stakeholder management
- Research and market Analysis
- Strategic communications

LANGUAGES

- English (Fluent)
- German(Fluent)
- Ukrainian (Native)
- Polish (Basic)

PROFILE

- Natural scientist with a robust background in Biotechnology and Molecular Biology, complemented by an advanced degree in Nutrition and Health from ETH Zurich. My passion lies in the translation of research into innovation and sustainable solutions for Life Science and Healthcare. Over the years, I have had the opportunity to work on strategic innovation initiatives, from managing projects to evaluating emerging technologies and investment opportunities, all of which have strengthened my ability to drive impactful solutions in life sciences. Earlier in my career, I worked in event management and stage performance, which sharpened my creativity, adaptability, and organizational skills in diverse settings. As a former athlete and performing artist, I bring a passion for health and strategies to enhance longevity through nutrition, exercise, and daily habits. I enjoy connecting people and ideas, and I am driven by a desire to contribute to meaningful advancements in science and healthcare.

CONSULTING AND ADVISORY ROLES

- Independent Consultant / Advisor** 10. 2023 – Present
Various clients in biotech, healthtech, and longevity
Scientific due diligence, scientific communication and translation, go-to-market strategy development, strategic partnership support.
 - Merck KGaA (Future Insight) - longevity biotech innovation pipeline, reproductive health, competitive landscape analysis
 - Turtle Tree (precision fermentation) - advisory board, scientific communication
 - Stealth Longevity clinic - designed biomarker strategy for longevity clinical protocol

WORK EXPERIENCE

- Daya Ventures** 08.2025 - Present
Femtech Innovation fellow
Daya world's first Femtech Venture Studio - building startups that transform women's health
 - Identifying and validating high-impact opportunities in femtech, specializing in longevity, reproductive health, menopause, and fertility
- The Next Sequence** 07.2024 - Present
Venture Associate
Next Sequence accelerates and invests globally in start-ups from the TechBio ecosystem through a 6-12 months accelerator program leveraging AI and Quantum Computing.
 - Internal due diligence of pre-seed to Series A startups within TechBio ecosystem
 - Leading the Longevity vertical, identifying emerging technologies and closely monitoring key industry trends.
- Parental leave** 10.2023 - 07.2024
Family time
- Merck KGaA, Darmstadt, Germany** 07.2020 - 10.2023
Innovation Manager
 - Managed external R&D opportunities, including strategic partnerships with academic institutions and research organizations.
 - Supervised project budgets, ensured timely project progression, and delivered successful outcomes.
 - Fostered communication and collaboration across internal teams and external stakeholders.
 - Explored and evaluated emerging research areas, disruptive technologies, and platforms to shape company technology strategy.



WORK EXPERIENCE

- Managed alliances with Nature and AAA Science; coordinated Merck Research Grants and Research Challenges.
- Planned and organized scientific conferences (live and virtual), including the Future Insight Conference and innovation awards like the Future Insight Prize and Nature Spinoff Prize.
- Initiated and led open innovation initiatives, such as the Merck Compound Challenge.
- Led longevity-related projects, including analysis of the longevity field, collaboration with M Ventures, and organizing academic workshops and seminars with global experts

University of Konstanz, Germany

05.2019 - 09.2019

Research Intern, Human Performance Centre

- Conducted research on "Physical performance and DNA damage response" with a focus on DNA repair and PARP/yH2AX activity.
- Analyzed the MARK AGE study to identify powerful biomarkers of human aging.

Freelance Event Management

01.2012 - now

- Developed event concepts for agencies and created customized product presentations.
- Managed successful touring productions with up to 60 artists.
- Freelance choreographer, fitness instructor and dance teacher



LONGEVITY BIOTECH

09.2021 - Present

Fellow at Longevity Biotech Fellowship (LBF)

LBF is a non-profit community for people to come together to build, join, or invest in revolutionary longevity biotechnology projects.



ADVANCED TRAINING

Clinical Trials Center, University Hospital Zürich

04.2023

Good Clinical Practice (GCP)-Modul 1 & 2, GCP-Basis course for Investigator

ATV GmbH, Cologne, Germany

09.2019 - 02.2020

Advanced qualification Life Science Management

Pharma-Management: Regulatory affairs, Pharmaceutical drug safety, Current legal and health policy principles, Planning and monitoring of clinical studies, Project management, Marketing.



EDUCATION

Master of Advanced Studies (MAS) in Nutrition and Health

02.2020 - 05.2023

ETH Zürich, Switzerland

Impact of food and nutrition on health, as well as their potential in disease prevention. Master thesis at Nutrition Research Unit, University Children's Hospital Zurich in collaboration with the Isotope Unit, Laboratory of Nutrition and Metabolic Epigenetics, D-HEST, ETH Zurich.

PhD student at the University of Saarland

06.2018 - 07.2019

Center for Integrative Physiology and Molecular Medicine, Germany

Conducted research on aging and immunosenescence, specifically focusing on the characterization and impact of regulatory CD8+ T cells on cytotoxic activity during healthy aging in mice. Interrupted to move from academia to industry

M.Sc. Bioscience

08.2009 - 07. 2011

University of Kaiserslautern, Germany

Master thesis at the Department of Protein Engineering, Final grade 1,6

B.Sc. with High Honors, Industrial Biotechnology and Biotech

08.2004 - 07.2008

National Technical University "KPI", Ukraine

Graduated with Distinction (Red Diploma), Final grade 4,75 (max.5). Bachelor Thesis "Production of purified alpha-amylase, branch of biosynthesis"



ACCOMPLISHMENTS

Finalist at the Merck Biopharma Innovation Cup

07.2018

Merck Group, Darmstadt, Germany

Finalist of the Merck Biopharma Innovation Cup as part of the team MERITAS, presenting the project "Microbial Emergence Risk Identification Technology for Aerospace Systems."